PTO/SB/08A (10-01)

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Complete if Known Substitute for form 1449A/PTO 10/618,269 נטן **Application Number** INFORMATION DISCLOSURE July 9, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Sorrells, Martin Art Unit 2954 (use as many sheets as necessary) Les Hinze Examiner Name Sheet of Attorney Docket Number AES 03-002

		U.S. PATE	NT DOCUMENTS	
Examiner Cite Initials No.1	Document Number Number - Kind Code ² (if known	Publication Date MM-OD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<i>374</i>	US-5,555,220 US-5,585,556 US-5,842,149 US-6,023,444 US-6,308,137B1 US-6,382,332B1 US-002/0060952A1 US-	09-10-1996 12-17-1996 11-24-1998 02-08-2000 10-23-2001 05-07-2002 05-23-2002	Minto, James Petersen, et al. Harrell et al. Naville, et al. Underhill et al. Eaton, Michael Cecconi et al.	

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Examiner Initials	Cite No.1	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 9 (f known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relavant Passages or Relevant Figures Appear	T8			
17H		EP0716319A2 EP1002934A2 WO98/17894	06-12-1996 05-24-2000 04-30-1998	Petersen & Heggerne Eaton, Michael MacDonald et al.		-			

Examiner Signature	20 7.	The	Date Considered	10/26/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. ⁸ Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08B (10-01)

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Substitute for	or form 1449B/PTO			Complete if Known		
i		\.	OL COURT	Application Number	10/618,282	
INFOR	CIVIATION	JIS	CLOSURE	Filing Date	July 9, 2003	
STAT	EMENT RY	' Δ	PPLICANT	First Named Inventor	Sorrells, Martin	
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	(use as many shee	ets a	s necessary)	Examiner Name		
Sheet	02	of	10	Attorney Docket Number	AES 03-002	

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Examiner Signature 7. 7.	Date Considered	

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Complet if Known Substitute for form 1449B/PTO 10/618,282 **Application Number** INFORMATION DISCLOSURE July 9, 2003 Filing Date Sorrells, Martin STATEMENT BY APPLICANT First Named Inventor **Group Art Unit** (use as many sheets as necessary) **Examiner Name** Attorney Docket Number | AES 03-002 of Sheet

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Τ2
LSA)		George Kamas and Sandra Howe, Coordinated Universal Time (UTC) and Leap Second Time and Frequency Users Manual, NBS Special Publication 559, Chapter 2, Section 2.1, November 1979 (updated May 1997)	
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Substitute fe	or form 1449B/PTC	5		Compl t if Kn wn		
MEAR			01 001105	Application Number	10/618,282	
INFOR	KIMAHUN	015	CLOSURE	Filing Date	July 9, 2003	
STATI	EMENT B	Y AF	PPLICANT	First Named Inventor	Sorrells, Martin	
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Sheet	04	of	10	Attorney Docket Number	AES 03-002	

	Include name of the author (in CAPITAL LETTERS), title of the item (book, magazine, journal, serial, symposium, catalog, e number(s) nublisher, city and/or country w	atc.), date, page(s), volume-issue
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Substitute fo	or form 1449B/PTO			Complet if Known			
INFORMATION DISCLOSURE				Application Number	10/618,282		
INFOR	MATION	JIS	CLOSURE	Filing Date	July 9, 2003		
STATI	EMENT BY	/ Δ	PPLICANT	First Named Inventor	Sorrells, Martin		
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	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Cite Initials No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	τ2
4721	Samuel R. Stein; Digital Measurement of Precision Oscillators; A Tutorial IEEE, Frequency Control Reference and Tutorial Information website	
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Substitute t	for form 1449B/PTO			Co	mplet If Known
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			CLOSURE	Filing Date	July 9, 2003
STAT	EMENT BY	/ A	PPLICANT	First Named Inventor	Sorrells, Martin
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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
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YH		Dan Nehring; Specifying OCXOs for Base Stations; A Tutorial Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website	
		William P. Hanson and Timothy E Wickard; Acceleration Sensitivity as a Function of Temperature: A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website	
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Substitute f	or form 1449B/PTO			Compl t if Known			
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INFOR	KIMATION L	JIS	CLOSURE	Filing Date	July 9, 2003		
STATI	EMENT RY	' Δ	PPLICANT	First Named Inventor	Sorrells, Martin		
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Sheet	07	of	10	Attorney Docket Number	AES 03-002		

	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
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LSA 	N. Bates and G. Weaver; Phase Noise Frequency Distributions of SC and AT Quartz Crystal Resonators. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website G. Kurzenknabe; Practical Considerations in Specifications of High Stability Crystal Oscillators. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website W. Hanson; Proble Ion Signature in Quartz Electrodiffusion Data. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control: Reference and Tutorial Information website B. Long; Quartz Crystals and Oscillators. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website B. Long and G. Weaver; Quartz Crystal Oscillators with Direct Resonator Heating. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website L. Heishman, A Review of Progress Related to Doubly Rotated Crystals. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website R. Zeigler, Jr.; Statistical Analysis of Allan Variance, Aging, Phase Noise, and Gravitational Sensitivity of Quartz Crystal Frequency Standards. A Technical Paper. Corning Frequency Control Reference and Tutorial Information website G. Kurzenknabe; Vibrational Sensitivity and Phase Noise in Crystal Oscillators. A Technical Paper. Corning Frequency Control Reference and Tutorial Information website V. Bottom; A History of the Quartz Crystal Industry in the USA. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website D. Chandler; A Statistical Analysis of Temperature Dependent Time Domain Phase Jitter. (MC061A1 series Bulk Acoustic Wave Quartz Crystal Oscillators). A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website C. Jensik, R. Zellers & R. Lackey; A Synopsis of Quality I	

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Substitute fo	or form 1449B/PTO			Co	mplete if Kn wn
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INFOR	IMATION L	JIS	CLOSURE	Filing Date	July 9, 2003
STATI	EMENT RY	' Δ	PPLICANT	First Named Inventor	Sorrells, Martin
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Sheet	08	of	10	Attorney Docket Number	AES 03-002

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
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SJA (P. Brown; The Influence of Amateur Radio on the Development of the Commercial Market for Quartz Piezoelectric Resonators in the United States. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website H. Fanus; The Quartz Crystal Industry in Carlisle, PA. A Technical Paper. Corning Frequency Control: IEEE, Frequency Control Reference and Tutorial Information website	
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		John R. Vig; Quartz Crystal Resonators and Oscillators for Frequency Control and Timing Applications. Product Catalog and Reference Materials. US Army Communications - Electronics Command. January, 2001. Approved for public release. Distribution is unlimited.	

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		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where publisher.	12
JJA-		I. Abramzom & R. Boroditsky; Thermodynamic Aspect of Short-Term Frequency Stability of Directly Heated Resonators. A Technical Paper. Valpey Fisher Corporation. Resource Center website.	
j		C. Serant; Celestica Net Income Soars 110%. Industrial Article from Daily News Digest. Valpey Fisher Corporation. Resource Center website.	
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		Training Session - Crystal Environmental Specifications. A Power Point presentation. Valpey Fisher Corporation. Resource Center website.	
		Training Session - Crystal Specifications. A Power Point presentation. Valpey Fisher Corporation. Resource Center website.	
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Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), nublisher, city and/or country where nublished.	T2			
117	-	Training Session - Quartz Crystal Work, An Intuitive Approach Part I and Part II. A Power Point presentation. Valpey Fisher Corporation. Resource Center website.				
		Seriers QR High Precision Timebase/Reference Crystals and QT High Precision Temperature Sensor Crystals. A technical Paper; Quartzdyne Inc.,Quartzdyne, Inc. information website				

Examiner Los 7- Acz	Date Considered (6/26/65

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.